

Cat5e Cable	Power Cable
Conductor Size:0.5mm	Conductor size:0.5mm ² ,0.75mm ²
Conductor material: Copper,CCA	Conductor material: Copper,CCA
Jacket: PVC	
UTP/FTP/STP/SFTP + Power cable Available	
Twisted Pair Color Code Pair 1 : Blue- White / Blue Pair 2 : Orange- White / Orange Pair 3 : Green- White / Green Pair 4 : Brown- White / Brow	
DC resistance(Max.)	9.5Ω/100m
DC Resistance Imbalance(Average)	2.50%
Working Capacitance(Max.)	5.4nF/100m
Insulation Resistance	10000MΩ.km
Transmission Velocity	65%
Operating temperation	75

Electrical Charateristics		UTP CAT5E		FTP CAT5E	
Impedance(Ohm)		100±15		100±15	
velocity of Propagation		70		70	
Minimum Return Loss(dB)		≥23		≥23	
Frequency Attenuation(dB/100m)		NEXT	PS-NEXT	ELFEXT	PA-ELFEXT
1 MHz	2.0	62.3	65.3	63.8	60.8
4 MHz	4.1	53.3	56.3	51.7	48.7
10 MHz	6.5	47.3	50.3	43.8	40.8
16 MHz	8.2	44.3	47.3	39.7	36.7
20 MHz	9.3	42.8	45.8	37.7	34.7
31.25 MHz	11.7	39.9	42.9	33.9	30.9
65.5 MHz	17.0	35.4	38.4	27.8	24.8
100 MHz	22.0	32.3	35.3	23.8	20.8

